

Research Associate in Physics of LCE actuators (Fixed Term)

DEPARTMENT/LOCATION: Department of Physics

SALARY: £31,604-£38,833

REFERENCE: KA15276

CLOSING DATE: 23 February 2019

Applications are invited for a postdoctoral position investigating liquid crystalline vitrimers and their mechanical actuation at the Cavendish Laboratory (Department of Physics, University of Cambridge, Cambridge). The aim of project is to develop new applications of polymeric materials with thermal and photo-actuating response.

The successful candidate will join the BSS research group, working with Professor Eugene M. Terentjev (<http://people.bss.phy.cam.ac.uk/~emt1000>). We are looking for an experienced experimental physicist or engineer with a PhD in Physics, Materials Science, or Engineering to lead the laboratory effort developing applications of the new functional polymeric materials, and participate in supervising a PhD student in the same field. Experience in liquid-crystalline elastomers, and/or in vitrimers and mechanical actuators is a significant bonus.

Key duties and responsibilities expected from the successful candidate will include, but not be limited to, conducting individual and collaborative projects, assisting in the supervision of student projects, building internal and external contacts and planning the use of research resources, laboratories and workshops as appropriate. For further information regarding duties and responsibilities of this role please see the Further Particulars.

The work will be funded by the ERC Advanced grant 786659: "Active Polymers for Renewable Functional Actuators". Successful candidates who have been awarded their PhD by the appointment date will be appointed as a Research Associate, Grade 7 (£31,604 - £38,833 per annum). The candidate would ideally start in October 2019, or possibly at an earlier date by special agreement.

Fixed-term: The funds for this post are available for 2 years in the first instance.

The closing date for applications is Saturday 23 February 2019.

To apply online for this vacancy and to view further information about the role, please visit: <http://www.jobs.cam.ac.uk/job/17190>. This will take you to the role on the University's Job Opportunities pages. There you will need to click on the 'Apply online' button and register an account with the University's Web Recruitment System (if you have not already) and log in before completing the online application form.

Alternatively, you may express your interest in the role by sending a cover letter, CV, and contact details of 2 referees directly to Professor Terentjev by email (emt1000@cam.ac.uk).

Please quote reference KA15276 on your application and in any correspondence about this vacancy.

The University values diversity and is committed to equality of opportunity.

The University has a responsibility to ensure that all employees are eligible to live and work in the UK.